

## **Paige Hansen**

831 Tennessee St. Apt. 2, Lawrence, KS 66044  
(605) 695-0959  
egiap2014@gmail.com

### **Education:**

Ecology, Evolution, and Organismal Biology, B.S., May 2018  
University of Kansas (KU), Lawrence, KS  
3.82 GPA  
Minor in English  
University Honors, Biology Departmental Honors

### **Research Experience:**

Piloting the use of Droplet Digital PCR (ddPCR) for quantifying fire's effects on total fungal mortality

Biology Honors Thesis project  
Fall 2016-present  
Dr. Benjamin Sikes  
University of Kansas, Lawrence, KS

Identifying avirulent genes in *Magnaporthe oryzae* rice blast fungus  
Summer 2016

Dr. Chatchawan Jantasuriyarat, Ms. Marnutsada Tenghoung, MS student  
Kasetsart University, Bangkok, Thailand

Identifying potential arbuscular mycorrhizal fungi-specific qPCR primers  
Summer 2015

Dr. R. Michael Lehman, Dr. Soledad Benitez Ponce  
USDA North Central Agricultural Research Laboratories, Brookings, SD

Identifying small molecules that disrupt the protein and RNA-binding activities of oncoproteins, specifically Musashi-1

Fall 2014-Spring 2015  
Dr. Liang Xu, Dr. Lan Lan  
University of Kansas, Lawrence, KS

Using nested PCR to create a standard curve of arbuscular mycorrhizal fungi abundance  
Summer 2014

Dr. R. Michael Lehman  
USDA North Central Agricultural Research Laboratories, Brookings, SD

## **Academic Affiliations, Awards, and Honors:**

Madison and Lila Self Graduating Senior Fellowship, 2018-2019  
Kansas IDeA Network of Biomedical Research Excellence (K-INBRE) Fellowship, 2017  
KU Undergraduate Research Award, 2017  
KU Undergraduate Biology Research Award, 2017  
KU Honors Opportunity Award, 2017  
    Funding for writing courses taken in Costa Rica  
KU Honors Opportunity Award, 2016  
    Funding for independent research experience in Thailand  
Freeman Foundation East Asia Internship Scholarship, 2016  
    Funding for independent research experience in Thailand  
Plains Area Director's Research Scholarship, 2015  
    Award for young women conducting research on topics relevant to the Great Plains region  
KU Global Scholars Program, 2015-2018  
    Competitive scholarship program designed to help students excel in international academic arena  
KU University Honors Program, 2014-2018  
KU Undergraduate Biology BioScholars Program, 2014-2018

## **Presentations and Publications:**

Droplet Digital PCR reveals strong shifts in response to experimental fires in pine savannas

    20 min talk at Argonne Soil Metagenomics Meeting, Nov. 1-3 2017  
    Argonne National Labs, Lemont, IL

Novel Methods of Determining the Effects of Soil Microbe Abundance on Fire Feedbacks

    Poster presentation at Central Region IDeA Conference  
    Sioux Falls, SD

“Droplet Digital PCR as a method of quantifying fungal abundance”

    Publication in prep  
    Paige Hansen, Ben Sikes, and Tatiana Semenova